**Supplementary Material**

**Effects of Insecticides on** [**Protective**](http://cn.bing.com/dict/search?q=Protective&FORM=BDVSP6&mkt=zh-cn)**and Detoxifying Enzyme Activity, and Expression of ABCG subfamily, *Sogatella furcifera***

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Supplementary Table S1. LC10 and LC25 values of thiamethoxam, abamectin, and buprofezin against *Sogatella furcifera*.

|  |  |  |
| --- | --- | --- |
| Insecticides | LC10 values (mg/L) | LC25 values (mg/L) |
| Thiamethoxam | 0.0332 | 0.1428 |
| Abamectin | 1.0446 | 2.1551 |
| Buprofezin | 0.1186 | 0.3478 |

Supplementary Table S2. The primers of ABC transporter G subfamily gene and 18S gene for RT-qPCR.

|  |  |  |
| --- | --- | --- |
| Gene  | Forward (5′–3′ ) | Reverse (5′–3′ ) |
| *SfABCG1* | ATCTTCCTCGATGAGCCAACCA | CGGAGTGTGGATGGAGCAGAT |
| *SfABCG2* | TTGCCATGTCCAGGAGGAGTAG | GGTGACGGCTGCTAGTTGATG |
| *SfABCG3* | TCAAGGCGGACGCACAATAGT | AGGCTGTGAGTGGCAAGGAAG |
| *SfABCG4* | TTGAGCTTCTCACTGAGCCTTC | GCACACCACCATCACTCCTT |
| *SfABCG5* | CACGCCAGTCAGCAGCATT | CGGCATCTGTTGTCTGAGAGG |
| *SfABCG6* | GTTACCGTGTCCGACCTACCA | CCGTTCTCTGTTCCATCCACAA |
| *SfABCG7* | GGCTCGGTGAAGGTGAACATC | CCTCGGACACGGAGTAGTTGA |
| *SfABCG8* | TCCGCCGATCCTGTTCCTTGA | GCAAACGATTGTGTGCCCTTCA |
| *SfABCG9* | CGAGATGAGGCAAGGTTCAGGA | TTGAGTAGGGCGGCAAAGTTCA |
| *SfABCG10* | TCAGGTGGCAAGACGCAGTGTA | TGGCTCGTCCAGGAGGAGTAGA |
| *SfABCG11* | GACAGCTCCAGCACCGTTCA | AACACATCGTCCGCCGTTGAT |
| *SfABCG12* | CAGCCATCTACAGAGCCTAGCA | CTCGCCGTCAGACAGCAAGT |
| *SfABCG13* | GCTGGAAGAGGCGGATATGCT | TTGGGCGTGGGACAGTGAGT |
| *SfABCG14* | AGGAGTATGGTGAGCCGCAATG | AGGGCGATCAGTTCTCCAGGAT |
| *SfRPL9* | GGGCGAGAAGTACATCCGTAGG | GCGGCTGATCGTGAGACATCTT |